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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/662,619 09/15/2003 Hyun Jin Kim 0EKM-104792 9762 30764 **EXAMINER** 7590 11/24/2004 SHEPPARD, MULLIN, RICHTER & HAMPTON LLP GORDON, RAEANN 333 SOUTH HOPE STREET **48TH FLOOR ART UNIT** PAPER NUMBER LOS ANGELES, CA 90071-1448 3711

DATE MAILED: 11/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summany	10/662,619	KIM ET AL.
Office Action Summary	Examiner	Art Unit
	Raeann Gorden	3711
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with	the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	within the statutory minimum of thirty (3 rapply and will expire SIX (6) MONTH: cause the application to become ABAN	o be timely filed 0) days will be considered timely. 5 from the mailing date of this communication. DONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 21 Se	eptember 2004.	
2a) This action is FINAL . 2b) ⊠ This	action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is		
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.		
Disposition of Claims		
4) Claim(s) 1-47 is/are pending in the application.		
4a) Of the above claim(s) <u>42-47</u> is/are withdrawn from consideration.		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-41</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or	election requirement.	•
Application Papers		
9) The specification is objected to by the Examiner	r.	
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by	the Examiner.
Applicant may not request that any objection to the o	drawing(s) be held in abeyance	. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction	on is required if the drawing(s)	is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Exa	aminer. Note the attached C	ffice Action or form PTO-152.
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in App ity documents have been re (PCT Rule 17.2(a)).	lication No ceived in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	· —	mary (PTO-413) lail Date
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 12/8/03; 12/30/03.		mal Patent Application (PTO-152)

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DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Group I in the reply filed on 9-21-04 is acknowledged. The traversal is on the ground(s) that all claims can be examined without serious burden. This is not found persuasive because the method claims of Group II require a different search than the golf ball claims in Group I. Applicant's arguments with respect to claim 41 are not understood. Claim 41 can be examined with the golf ball claims of Group I because the method steps are generic.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-41 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is not clear which crosslinking agent is claimed in claims 1, 25, and 41. Paragraphs 27 and 28 disclose unsaturated carboxylic acid as well as peroxides as crosslinking agents. The claims should clearly indicate which ingredient is claimed.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-16, 18-32, and 34-41 are rejected under 35 U.S.C. 102(e) as being anticipated by Voorheis et al (2004/0230006). Regarding claims 1 and 41, Voorheis discloses a golf ball core composition comprising 1,4-polybutadiene, peroxide (crosslinking agent), zinc pentachlorothiophenol (peptizer), and mercaptobenzothiazole (accelerator). Regarding claims 2-5, zinc pentachlorothiophenol (peptizer) is present in the amount from 1 to 25 pph (para. 105). See table 2 wherein the examples include 2.35 pph zinc pentachlorothiophenol. Regarding claims 6-9, mercaptobenzothiazole (accelerator) is present in the amounts of 0.5, 1.0, 2.0, 3.0, and 5.0 (see table 2, ZETAX). Regarding claims 10-12, peroxide (crosslinking agent) is present in the amount from 0.2 to 5 pph (para. 122). Regarding claim 13, the core composition is made from 1,4-polybutadiene (para. 65). Regarding claims 14-16, the core composition includes filler such as zinc oxide, barium sulfate, and tungsten (para. 137). Regarding claims 18 and 19, the core composition includes metal salts unsaturated carboxylic acid in the amount from 20 to 40 pph (para. 130, 133). Regarding claim 20, the golf ball includes a core and cover, wherein the core is made from the composition (see above).

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Regarding claim 21, the core may include multiple layers (para. 40). Regarding claim 22, a portion of the core may be liquid (para. 63). Regarding claim 23, the golf ball may include a wound layer (para. 59). Regarding claim 24, the golf ball includes a core, intermediate layer, and cover, wherein the core is made from the composition; see above (para. 59). Regarding claims 25-28, Voorheis discloses a golf ball core composition comprising 1,4-polybutadiene, peroxide (crosslinking agent), zinc pentachlorothiophenol (peptizer), and mercaptobenzothiazole (accelerator). Peroxide (crosslinking agent) is present in the amount from 0.2 to 5 pph (para. 122). Zinc pentachlorothiophenol (peptizer) is present in the amount from 1 to 25 pph (para. 105). See table 2 wherein the examples include 2.35 pph zinc pentachlorothiophenol. Mercaptobenzothiazole (accelerator) is present in the amounts of 0.5, 1.0, 2.0, 3.0, and 5.0 (see table 2, ZETAX). Regarding claim 29, the core composition is made from 1,4polybutadiene (para. 65). Regarding claims 30-32, the core composition includes filler such as zinc oxide, barium sulfate, and tungsten (para. 137). Regarding claims 34 and 35, the core composition includes metal salts unsaturated carboxylic acid in the amount from 20 to 40 pph (para. 130, 133). Regarding claim 36, the golf ball includes a core and cover, wherein the core is made from the composition (see above). Regarding claim 37, the core may include multiple layers (para. 40). Regarding claim 38, a portion of the core may be liquid (para. 63). Regarding claim 39, the golf ball may include a wound layer (para. 59). Regarding claim 40, the golf ball includes a core, intermediate layer, and cover, wherein the core is made from the composition; see above (para. 59).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 17 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Voorheis in view of Nesbitt et al (6,468,168). Voorheis discloses the invention as shown and above, including fillers in the composition. However, Voorheis fails to disclose the quantity of the fillers. Nesbitt teaches a golf ball core composition comprising fillers in the amount from 10 to 100 parts. One of ordinary skill in the art would have modified the Voorheis in view of Nesbitt to achieve the desired weight of the golf ball.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raeann Gorden whose telephone number is 571-272-4409. The examiner can normally be reached on M-F 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Vidovich can be reached on 571-272-4415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rg November 19, 2004

MARY EXAMINER PRIMARY EXAMINER